

MALIKOV, F.P.; SHLEYMOVICH, M.A., inzh., retsenzent; IL'NITSKIY,
I.I., kand. tekhn. nauk, red.; DUGINA, N.A., tekhn. red.

[Chucks for metal-cutting tools] Patrony dlia rezhushchikh
instrumentov; spravochnik. Moskva, Mashgiz, 1963. 103 p.
(MIRA 16:5)

(Chucks)

L 58882-65 ENG(v)/EWP(j)/EWP(k)/EWT(m)/EWP(i)/EWP(b)/EWP(e) Pg-4/Pe-5/Pf-4/
Pq-4 RM/WH UR/0286/55/000/012/0028/0028
ACCESSION NR: AP5019003 621.3. 066.6

43

15 B

AUTHOR: Zelikovskiy, Z. I.; Kondur, A. V.; Shleymovich, M. I.

TITLE: A method for fastening a winding made of fine glass-covered wire to a current supply. Class 21, No. 171895

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 28

TOPIC TAGS: electric connector, glass coating, glass to metal seal

ABSTRACT: This Author's Certificate introduces a method for fastening a winding made of fine glass-covered wire to a current supply. The point of contact is then galvanized. The fastening process is simplified and the reliability of the contact point is improved by using cold welding to fasten the ends of the coil to the current supply. The contact section and the glass-covered wire adjacent to it are then chemically silvered and a non-porous heat resistant coating is applied (nickel-copper-nickel).

ASSOCIATION: none

Card 1/2

L 58882-65

ACCESSION NR: AP5019003

SUBMITTED: 05Feb63

ENCL: 00

SUB CODE: EE

NO REF SOV: 000

OTHER: 000

KD
Card 2/2

SHLEYMOVICH, P. I.

"Hydrophysical Characteristics of the Soil of Ancient Deltas of the Syr Darya River." Cand Agr Sci, Kazakh Agricultural Inst, Alma-Ata, 25 Nov 54. (KP, 12 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

Country : USSR

Category: Soil Science. Physical and Chemical Properties of Soil.

J

Abs Jour: RZhBiol , No 18, 1958, No 82057

Author : Shleymovich, P. I.

Inst : Kazakh Univ.

Title : The Problem of Preliminary Preparation of Soil Samples
for Microaggregate Analysis.

Orig Pub: Uch zap. Kazakhsk un-t, 1956, 21, 180-185

Abstract: Experiments were conducted in the laboratory of the Kzyl-Orda Scientific Experimental Base of the Academy of Sciences Kazak SSR. For microaggregate and mechanical analysis soil specimens from marshes which were drying up, meadow-marsh soil, and arable horizon soils of rice fields were treated with distilled water, river water, and aqueous extracts of the same soils. The

Card : 1/2

J-4

Country : USSR

Category: Soil Science. Physical and Chemical Properties of Soil.

J

Abs Jour: RZhBiol., No 18, 1958, No 82057

mechanical structure of the soil, as determined by analysis using methods of the most complete disaggregation of microstructural elements, did not reflect the physical nature of the soil. The microstructure of the soils, especially of the irrigated ones, pictured an unstable aggregate state. Water which is usually used for irrigation is recommended in the preparation of soil samples of irrigated soils for microaggregate analysis. -- E.S. Graf

Card : 2/2

SHLEYMOVICH, Pavel Iosifovich, kand. sel'khoz. nauk.

[Soil structure and its importance in increasing soil fertility]
Struktura pochvy i ee znachenie v povyshenii pochvennogo plodo-
rodiia. Alma-Ata, Kazakhskii gos. univ. im. S.M.Kirova, 1960.
(MIRA 14:6)
90 p. (Soil physics) (Soil fertility)

SHLEYMOVICH, P.I., kand.sel'skokhozyaystvennykh nauk

Principal physical properties of soils in the Chiili irrigation
region. Vest.AN Kazakh.SSR 17 no.3:50-57 Mr '61. (MIFA 14:3)
(Chiili Valley—Soil physics)

SHLEYMOVICH, R.E.

ZDANOVSKIY, A.B.; LYAKHOVSKAYA, Ye.I.; SHLEYMOVICH, R.E.; BUKSHTEYN, V.M.,
redaktor; VALYASHKO, M.G., redaktor; PEL'SH, A.D., redaktor.

[Handbook of experimental data on the solubility of multicomponent
water-salt systems] Spravochnik eksperimental'nykh dannykh po rast-
vorimosti mnogokomponentnykh vodno-solevykh sistem. Vol.1 [Tri-compo-
nent systems] Trekhkomponentnye sistemy. Leningrad, Gos. nauchno-
tekhnicheskoe izd-vo khimicheskoi lit-ry, 1953. 670 p. (MLRA 7:2)

SHLEYMOVICH, R.E.

ZHDANOVSKIY, A.B.; LYAKHOVSKAYA, Ye.I.; SHLEYMOVICH, R.E.; BUKSHTEYN, V.M., redaktor; VALYASHKO, M.G., redaktor; PEL'SH, A.D., redaktor; KOTS, V.A., otvetstvennyy redaktor; LEVIN, S.S., tekhnicheskiy redaktor; ERLIKH, Ye.Ya., tekhnicheskiy redaktor.

[Handbook of experimental data on the solubility of multicomponent water-salt systems] Spravochnik eksperimental'nykh dannykh po rastvorimosti mnogokomponentnykh vodnosolevykh sistem. Leningrad, Gos. nauchno-tekhn. izd-vo khim. lit-ry. Vol.2. [Quaternary and more complex systems] Chetyrekhkomponentnye i bol'se slozhnye sistemy. 1954. 1269 p. (MLRA 8:3)

(Solubility)(Salts)(Systems (Chemistry))

SHUKHMAN, Z.; SHTAMM, V.; SHLEYMOVICH, S.; KALMYKOV, P.; RAL'TSEVICH, V.;
PYATENKOV, V.; POTEVIN, I.; SOKRATOV, Yu.

There are all conditions for building strong and good eleva-
tors. Muk.-elev. prom. 29' no. 8:18-19 Ag '63.

(MIRA 17:1)

1. Zamestitel' upravlyayushchego trestom TSentroeleva-
tormel'stroy (for Shtamm). 2. Nachal'nik sektora organiza-
tsii stroitel'nykh rabot Gosudarstvennogo instituta Prom-
zernoprojekt (for Ral'tsevich). 3. Starshiy inzh. TSentral'-
nogo konstruktorskogo byuro tresta Spetselavatormel'montazh
(for Potemkin). 4. Zamestitel' nachal'nika proizvodstvenno-
tekhnicheskogo otdeleniya tresta Petropavlovsklevatormel'-
stroy (for Sokratov).

KALMYKOV, P.V.; RAL'TSEVICH, V.A.; KHOROSHIY, I.S.; SHLEYMOVICH, S.A.; SHUKHMAN, Z.S.; ARIELI, E.I.

[Building reinforced concrete structures in sliding forms]
Vozvedenie zhelezobetonnykh sooruzhenii v skol'ziashcheyi
opalubke. Moskva, Stroiizdat, 1965. 306 p.
(MIRA 18:12)

SHLEYMOVICH, Sh., inzh.

Reconditioning machine parts by build-up welding. Rech.
transp. 21 no.12:27-28 p '62. (MIRA 15:12)
(Marine engines—Maintenance and repair)

L 20770-65 EWT(m)/EWP(j)/EWP(t)/EWP(b) Pc-4 BSD/ASD(m)-3/AFTC(p)
RM/JD S/0310/64/000/010/0029/0030
ACCESSION NR: AP5001345

AUTHORS: Shleymovich, Sh. (Engineer); Trakhtenberg, I. (Engineer)

TITLE: Coating a metal with plastic film

SOURCE: Rechnoy transport, no. 10, 1964, 29-30

TOPIC TAGS: plastic coating, polyvinylbutyral, metal coating, fluidized bed

ABSTRACT: Plastic film coating (0.1-1 mm thick) of metal parts at the Moskovskiy sudostroitel'no - sudoremontnyy zavod (Moscow Ship-Building and Ship-Repair Plant), at the Kalininskiy i Leningradskiy vagonostroitel'nye zavody* (Kalinin and Leningrad Railway-Car Factories), and at the Kiyevskiy zavod torgovogo mashinostroyeniya (Kiev Industrial Machinery Factory) is described. The metal parts are coated by heating and submerging them in a fluidized bath of thermoplastic particles (0.05-0.2 mm particle size, usually consisting of about 96-97.5% polyvinylbutyral, 0.9-2.8% titanium dioxide, and some coloring additives (experiments with polyethylene are also being performed)). The bath used for coating the parts is shown in Fig. 1 on the Enclosure. Compressed air is introduced at (3), passes uniformly through a porous ceramic or other material (2), and enters the fluidized bath (1) which can have various shapes, depending on the parts to be

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ACCESSION NR: AP5001345

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coated. It was found that the metal parts should be cleaned thoroughly (with organic solvents or salt baths) and, for polyvinylbutyral coating, they have to be heated to 350-400°. It is hoped that plastic coatings will replace chrome-nickel coating of metal parts in many applications. Orig. art. has: 3 figures.

ASSOCIATION: none

ENCL: 01

SUBMITTED: 00

OTHER: 000

SUB CODE: IE,MT

NO REF SOV: 000

Card 2/3

L 20770-65
ACCESSION NR: AP5001345

ENCLOSURE: 01

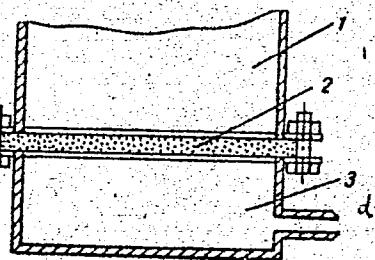


Fig. 1. Schematic of fluidized bath.

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SOROKIN, N.V., inzh.; SHLEYMOVICH, S.A., inzh.

Small one-cylinder hydraulic jack for mechanized lifting of
sliding forms. Nov. tekhn. i pered. op. v stroi. 20 no.2:16-19
(MIRA 11:2)
F '58.

(Hydraulic jacks)
(Concrete construction)

SHLEYMOVICH, S.M.

Automatizing the speed control of driers for fabric printing
machines. Tekst. prom. 17 no.5:50-51 My '57. (MLB 10:6)

1. Nachal'nik konstruktorskogo byuro fabriki imeni V. Slutskoy.
(Drying apparatus--Textile fabrics) (Automatic control)

SHLEYMOVICH, S.M.

Automatic machine for straightening fabric edges. Tekst. prom. 17
(MLRA 10:9)
no. 8:47-48 Ag '57.

1. Nachal'nik konstruktorskogo byuro fabriki imeni V. Slutskoy.
(Textile fabrics)

KULIK, Yuriy Grigor'yevich; SHLEYMOVICH, S.S., redaktor; VITASHKINA, S.A.,
redaktor; VOLKOVA, Ye.D., tekhnicheskij redaktor.

[Technological fitting out for the sectional building of ships; area of
preliminary assembly of units and sections of the hull] Tekhnologicheskaja
osnastka dlia sektsionnoi sborki sudov; uchastok predvaritel'noi sborki
uzlov i sektsii korpusa. Moskva, Izd-vo "Rechnoi transport," 1954.
101 p.

(MIRA 8:4)

(Shipbuilding)

L 9534-66

EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c)

JD/HM

ACC NR: AP5026293

SOURCE CODE: UR/0125/65/000/010/0052/0054

AUTHOR: Shleymovich, S. S. (Engineer); Vorob'yev, V. V. (Engineer); Rubanovich, B. B.
(Engineer)ORG: [Shleymovich] Ministry of River Fleet RSFSR (Ministerstvo rechnogo flota RSFSR);
[Vorob'yev] Orgenergostroy; [Rubanovich] Trest "Stal'konstruktsiya"

TITLE: Experience in unshielded arc welding with bare alloy wire

SOURCE: Avtomaticheskaya svarka, no. 10, 1965, 52-54

TOPIC TAGS: unshielded arc welding, welding technology, shipbuilding engineering, construction

ABSTRACT: Mechanized unshielded arc welding with bare alloy wire, developed in 1962 at the Ye. O. Paton Institute of Electric Welding, dispenses with the use of shielding atmospheres which is of major importance to mechanizing welding operations in shipbuilding and construction. What is more, it reduces by 35-40% the number of transverse deformations compared with manual and submerged-arc welding. The technique has been used with positive results to mechanize reinforcement-welding operations during the construction of poured-on-the-spot and precast reinforced concrete structures in the Konakovo, Kirishev and Burshtyn power stations, where it has served to markedly

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UDC: 621 791.753.037

L 9534-66

ACC NR: AP5026293

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reduce the cost and time of the construction and assembling operations. The related experience shows that use of this technique to weld 100 joints of 40 mm thick reinforcement in the vertical position saves about 450 rubles and in the bottom position, 165 rubles (compared with manual welding). Mechanized unshielded arc welding has also been introduced since 1963 at the Gomel' and Astrakhan' shipyards, with similarly satisfactory results. In addition, it has been used to weld together sheets of structural metal. It is a technique that assures an increase in productivity and reduction in production cost in conditions when other methods of mechanized welding are not applicable. Orig. art. has: 3 figures, 2 tables.

SUB CODE: 11,13/ SUBM DATE: 09June65/ ORIG REF: 003/ OTH REF: 000


2/2
Card

USYUKIN, I.P.; SHLEYNIKOV, B.M.; SOROKINA, Ye.S.

Solubility of ethylene in certain selective organic solvents at
low temperatures. Gaz. prom. 8 no.4:40-42 '63. (MIRA 17:10)

SHLEYNIKOV, V.M., inzh,

Continuous checking of the hydrocarbon content in air-separation
assemblies, Khim.mash, no.6:45 N-0 '60. (MIRA 13:11)
(Gases--Separation) (Hydrocarbons)

S/081/62/000/017/076/102
B156/B186

AUTHORS: Usyukin, I. P., Shleynikov, V. M.

TITLE: Solubility of acetylene in selective solvents at low temperatures

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1962, 476, abstract 17M192 (Novosti neft. i gaz. tekhn. Neftepererabotka i neftekhimiya, no. 12, 1961, 33 - 39)

TEXT: The solubility of acetylene (I) in eight solvents (acetone, methanol, methyl pyrrolidon, dimethyl formamide, dimethyl acetate, ethyl ether, m-xylene, and dichloroethane), was determined in relation to the temperature, at $P_{C_2H_2} = 1$ atm. It is shown that the solubility of I in

these solvents increases abruptly as the temperature is reduced. An empirical equation for the solubility of acetylene in solvents with relation to the temperature is given. [Abstracter's note: Complete translation.]

Card 1/1

USYUKIN, I.P.; SHLEYNIKOV, V.M.

Solubility of propylene in methanol at low temperatures. Gaz.
prom. 6 no.12:40-42 '61. (MIRA 15:2)
(Propene)
(Methanol)

USYUKIN, I.P., doktor tekhn.nauk; SHLEYNIKOV, V.M.

Methanol vapor density at low temperatures. Khim.prom. no.1:65-66
(MIRA 15:1)
Ja '62. (Methanol) (Vapor density)

USYUKIN, I.P.; SHLEYNIKOV, V.M.

Solubility of carbonic acid in some organic solvents at low
temperatures. Nefteper. i neftekhim. no.1:39-43 '63.
(MIRA 16:10)
1. Moskovskiy institut khimicheskogo mashinostroyeniya.

YURGENSON, G.N., inzh.; SHLEYNIKOV, V.M., inzh.

News of technology abroad. Khim.mashinostr. no.4:45-46
Jl-Ag '63. (MIRA 16:9)
(Chemical engineering—Equipment and supplies)

SHLEYNIKOV, V.M.; TAGINTSEV, B.G.; *Prinimali uchastiye: IVANOVSKIY, F.P.;*
SHENDEREV, Ye.R.

Separating acetylene from gases obtained by the electrocracking
of methane at low temperatures. *Gaz. prom. 9 no.6:38-42 '64.*
(MIRA 17:8)

L 53664-65 EWT(m)/EPF(c)/EPF(j) WA(c)

Pc-4/Pr-4 RM

ACCESSION NR: AP5013516

UR/0318/65/000/005/0037/0040

547.314.2

22
23

AUTHORS: Bakhtyukova, G. N.; Usyukin, I. P.; Shleynikov, V. M.; Kir'yakov, V. N.

TITLE: Solubility of acetylene in methanol at high pressure

SOURCE: Neftepererabotka i neftekhimiya, no. 5, 1965, 37-40

TOPIC TAGS: acetylene, solubility, methanol, solvent action, solvent extraction, solvent

ABSTRACT: The last stage of the high pressure extraction of acetylene from natural gas mixtures was studied. It consisted of the acetylene absorption by selective solvents (methyl alcohol). Its solubility in methanol was determined within the temperature range from 20°C to that of condensation and under pressures up to 19 absolute atmospheres by the procedure described by I. P. Usyukin, V. M. Shleynikov, A. V. Timofeyev, G. N. Shchekina ("Neftepererabotka i neftekhimiya," No. 11, TsNIITneftegaz, 1963, p. 35). Acetylene solubility in methanol increased with temperature decrease, while at a constant temperature it increased with the rise in pressure. The comparison of the results obtained with the data previously published is shown graphically in Fig. 1 on the Enclosure. The data from different sources correlated satisfactorily. The representation of the results in the coordinates:

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L 53664-65

ACCESSION NR: AP5013516

solubility logarithm - reverse temperature was used to derive an empirical equation for the calculation of acetylene solubility in methanol $\lg \alpha = \frac{A}{T} - B$. Here α - solubility, nm^3/m^3 ; T - temperature, $^{\circ}\text{K}$; A, B - empirical constants depending on pressure. The values of A and B are tabulated below.

Pressure atm	A	B
0.5	950	2.48
1.0	975	2.27
3	1000	1.93
5	1020	1.80
7	1060	1.80
9	1100	1.80
11	1120	1.76
13	1200	1.96
15	1250	2.07
17	1350	2.35
19	1420	2.51

The equation held true for the whole temperature range of the experiment under pressures up to 9 absolute atmospheres. At pressures exceeding this value it was true for temperatures up to -10°C . Orig. art. has: 3 tables, 3 figures, and 3 formulas.

ASSOCIATION: Moskovskiy institut khimicheskogo mashinostroyeniya (Moscow Institute of Chemical Machine Building)

Card 2/5

L 53664-65

ACCESSION NR: AP5013516

SUBMITTED: 00

ENCL: 02

SUB CODE: OC

NO REF SOW: 004

OTHER: 000

Card 3/5

L 53664-65

ACCESSION NR: AP5013516

ENCLOSURE: 01

O

To Enclosure 02

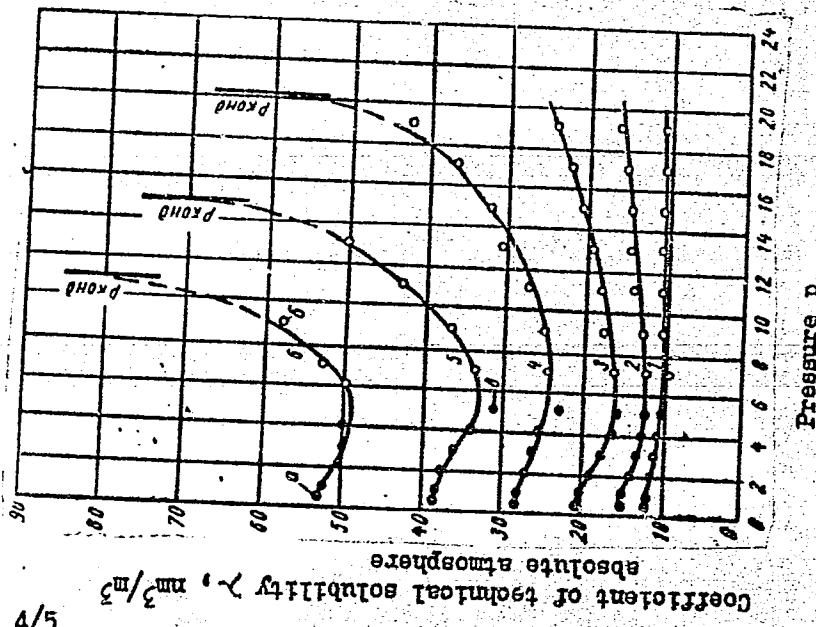


Fig. 1. Relation of the coefficient of technical solubility of acetylene in methanol to temperature and pressure at temperature (°C): 1- 20; 2- 10; 3- 0; 4- -10; 5- -20; 6- -30;
s - data obtained by G. E. Braude and
S. F. Shakhova "Khimicheskaya
Promyshlennost", No. 3, 1961, p. 177-
182

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L 53664-65
ACCESSION NR: AP5013516

ENCLOSURE: 02

From Enclosure 01

6 - data obtained by the authors
b - data obtained by I. P. Usyukin
and V. M. Shleynikov; "Novosti
neftyanoy i gazonovoy tekhniki," seriya
"Neftepererabotka i neftekhimiya,"
No. 7, GOSINTI, 1962, page 34-37

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Card 5/5

ACC NR: AP7002726

SOURCE CODE: UR/0318/66/000/012/0036/0039

AUTHOR: Demidova, Yu. A.; Usyukin, I. P.; Shleynikov, V. M.

ORG: Moscow Institute of Chemical Machine Building (Moskovskiy institut khimicheskogo mashinostroyeniya)

TITLE: Phase equilibria in the system N-methylpyrrolidinone-carbon dioxide at high pressures

SOURCE: Neftepererabotka i neftekhimiya, no. 12, 1966, 36-39

TOPIC TAGS: carbon dioxide, methylpyrrolidinone, carbon dioxide solubility, heat of solution

ABSTRACT:

A study has been made of the solubility of carbon dioxide in N-methyl-pyrrolidinone (NMP) in the -20—+20C range under pressures of up to 20 atm. The study was undertaken to establish the optimum conditions for the absorption of CO₂ from gas mixtures at high pressures and low temperatures. The experimental procedure was described by the authors in an earlier study (Neftepererabotka i neftekhimiya, 1963, no. 1, p. 39). The results of the experiments given in the table indicate that the solubility of CO₂ increases with decreasing temperatures, and that the sharpest increase is observed at pressures above 6 atm. Analysis of the

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UDC: 547.745-185

ACC NR: AP7002726

can be expressed by the formula of Krichevskiy-Il'inskaya. An empirical formula was derived for determining the solubility of CO_2 in NMP in the studied temperature and pressure range. The heat of solution of CO_2 in NMP was found to be 3540 cal/mol. Orig. art. has: 6 figures and 3 tables.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 008/ ATD PRESS: 5111

Card 3/3

SHLEYKUS, P. [Sleikus, P.]; TATARINTSEVAYTE, A. [Tatarincevaite, A.]
veterinarnyy vrach-epizootolog

Echinoparyphiosis, a new helminthosis of young ducks in the
Lithuanian S. S. R. Veterinariia 37 no.9:53 S '60. (MIRA 14:11)

1. Chlen Obshchestva gel'mintologov AN Litovskoy SSR (for
Shleykus). 2. Ukmerskaya mezhrayonnaya vetbaklaboratoriya
(for Tatarintsevayte).

(Lithuania--Ducks--Diseases and pests)
(Worms, Intestinal and parasitic)

SHLEYNIS, R.I.

Differences in the soil formation under spruce and oak forests
in the northwestern part of the U.S.S.R. Pochvovedenie no.3:
20-29 Mr '65. (MIRA 18:6)

SHLEYNIS, R.N.

Composition of humus in oak forest soils of the Lithuanian
S.S.R. Pochvovedenie no.6:17-24 Je '65. (MIRA 18:11)

1. Laboratoriya lesovedeniya AN SSSR. Submitted Oct. 16,
1964.

VASILEVSKIY, D.P.; SHLEYSNER, R.R.; VROBLEVSKIY, A.A.

Contactless magnetic recording and reproduction. Trudy VHAIZ
no.10:41-57 '62. (MIRA 16:11)

SHLEYSNER, Rikhard Rikhardovich; CHERNYAYEV, B.I., retsenzent;
MIKHAYLOVA, O.F., red.

[Repair of home magnetic tape recorders] Remont bytovykh
magnitofonov. Moskva, Legkaia industriia, 1965. 160 p.
(MIRA 19:1)

SHLEYVA, I. I.

SHLEYVA, I. I.: "Double mating of pigs on production farms under the conditions of the Lithuanian SSR". Kaunas, 1955. Min Higher Education. Lithuanian Agricultural Academy. (Dissertation for the Degree of Candidate of AGRICULTURAL Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955

SHELFKHOV, V.; SHLEYYER, G.

The piecework bonus wage system and labor productivity. Sots.
trud 8 no.8:95-99 Ag '63. (MIRA 16:8)

1. Nachal'nik Ekhirit-Bulagatskogo proizvodstvennogo kolkhozno-
sovkhognogo upravleniya (for Shelekhov). 2. Nachal'nik planovogo
otdela Ekhirit-Bulagatskogo proizvodstvennogo kolkhozno-
sovkhognogo upravleniya (for Shleyyer)
(Erikhit-Bulagatskiy District--Agricultural wages)
(Erikhit-Bulagatskiy District--State farms--Labor productivity)

SHLEYYER, G.E., kand.tekhn.nauk

Experimental investigation of an AER-type automatic steering device.
Trudy TSNIIMF 8 no.47:64-73 '63. (MIRA 16:12)

SHLEYZMAN, V.M.

7-128

✓ 3711* (Russian.) Properties of Cast Alloy Structural Steel¹³

Svoistva itoi legirovannoi konstrukcionnoi stali. B. N. Gubayev, I. A. Sharpanov, V. M. Shleizerman, and P. E. Kova-

lenko. Litinoe Proizvodstvo, no. 2, Feb. 1957, p. 11-16.

Comparison of mechanical and technological properties of alloy steels containing C, Mn, Si, Cr, Ni, Mo, Cu, and W.

SHLEZINGER, A. Ye.

Correlation of the Permian-Triassic (Kara-Tau) complex in the
Mangyshlak Peninsula. Biul. MOIP. Otd. geol. 34 no. 6:59-66 N-D '59.
(MIRA 14:3)
(Kara-Tau—Geology, Stratigraphic)

SHEVYREV, A.A.; SHLEZINGER, A.Ye.

Age of lower Triassic horizons of the Mangyshlak
Peninsula. Dokl.AN SSSR 133 no.6:1418-1421 Ag '60.
(MIRA 13:8)

1. Geologicheskiy institut Akademii nauk SSSR. Predstavleno
akad. A.L.Yanshiny. (Mangyshlak Peninsula--Geology, Stratigraphic)

GARETSKIY, R.G.; SHLEZINGER, A.Ye.; SHRAYBMAN, V.I.; YANSHIN, A.L.

Prospects for finding oil and gas in the southern Emba gravity maximum region. Sov.geol. 4 no.12:117-121 D '61. (MIRA 15:2)

1. Geologicheskiy institut AN SSSR i Moskovskiy institut nefte-khimicheskoy i gazovoy promyshlennosti imeni I.M. Gubkina.
(Emba region--Petroleum geology)
(Emba region--Gas, Natural--Geology)

PLESHEYEV, I.S.; SHAPOV, A.I.; SHLEZINGER, A. Ye.

Structures of eastern Mangyshlak and adjacent territory in the
Ustyurt Plateau. Biul. MOIP Otd. geol. 36 no.1:40-58 Ja-F '61.
(MIRA 14:5)

(Mangyshlak Peninsula—Geology, Structural)
(Ustyurt Plateau—Geology, Structural)

YANSHIN, A.L.; GARETSKIY, R.G.; NAUMOVA, S.N.; SHLEZINGER, A.Ye.

Position of the border of the Russian Platform east of
the Caspian Sea. Biul.MOI. : Otd.geol. 36 no.4:76-96 Jl-Ag '61.
(MIRA 14:9)
(Russian Platform)

GARETSKIY, R.G.; YEGOROV, I.P.; NAUMOVA, S.N.; SHLEZINGER, A. Ye.

Lower Carboniferous and upper Devonian deposits in the Zhanasu region (the South-Emba gravity maximum). Dokl. AN SSSR 136 no.6:1418-1421 F '61. (MIRA 14:3)

1. Geologicheskiy institut AN SSSR. Predstavлено akademikom A.L. Yanshinyem.
(Emba Valley--- Geology, Stratigraphic)

GARETSKIY, R.G.; NAUMOVA, S.N.; SHLEZINGER, A.Ye.

Stratigraphy and formational nature of upper Devonian deposits
in the region of the Southern-Emba gravity maximum. Dokl. AN
SSSR 141 no.4:931-933 D '61. (MIRA 14:11)

1. Geologicheskiy institut AN SSSR. Predstavлено akademikom
A.L. Yanshinyu.
(Emba Valley--Geology, Stratigraphic)

STOLYAROV, A.S.; SHLEZINGER, A.Ye.

Tectonics and basic characteristics of the development of the
structural plan in the South Mangyshlak Plateau. Biul. MOIP.
Otd.geol. 37 no.3:3-26 My-Je '62. (MIRA 15:10)
(Mangyshlak Peninsula—Geology, Structural)

GARETSKIY, R.G.; DAL'YAN, I.B.; NAUMOVA, S.N.; SHLEZINGER, A.Ye.

Relationship between the lower and upper structural stages of
the platform mantel in the Turan Platform. Izv. AN SSSR.
Ser. geol. 28 no.3:83-92 Mr '63. (MIRA 16:2)

1. Geologicheskiy institut AN SSSR, Moskva.
(Turan Lowland--Geology, Structural)

KUZNETSOVA, K.I.; SHLEZINGER, A.Ye.

Upper Jurassic sediments in the submerged zones of the Mangy-shlak Peninsula. Biul. MOIP. Otd. geol. 38 no. 3:60-76 My-Je '63.
(MIRA 16:9)

GARETSKIY, R.G.; SAMODUROV, V.I.; SHLEZINGER, A.Ye.; YANSHIN, A.L.

Tectonics of the platform mantle of the Turan Plateau. Trudy GIN no.92:
202-257 '63. (MIRA 17:10)

BOGOMOLOVA, L.I.; GARETSKIY, R.G.; GRIDASOV, Yu.M.; ZAMARENOK, A.K.;
SHLEZINGER, A.Ye.

Subsalt sediments on the eastern ~~edge~~ of the Caspian syneclyse
(Kenkiyak-Mortuk-Zhana-Zhol region). Dokl. AN SSSR 149 no.5:
1147-1149 Ap '63. (MIRA 16:5)

1. Institut geologii nefti AN KazSSR, Geologicheskiy institut
AN SSSR i Trest "Aktyubnefterazvedka".
(Caspian Lowland--Sediments (Geology))

GARETSKIY, R.G.; KOTOVA, I.Z.; SHLEZINGER, A.Ye.

Upper Jurassic continental formations of the Usturt. Dokl. AN
SSSR 154 no.1:98-101 Ja'64. (MIRA 17:2)

1. Geologicheskiy institut AN SSSR. Predstavлено akademikom
A.L. Yanshinyem.

GARETSKIY, R.G.; KOLESNIKOV, Ye.M.; MURAV'YEV, V.I.; SHLEZINGER, A.Ye.

Possibility of the determination of the absolute age of folding based on authigenous minerals in sedimentary rocks as revealed by a study of fold basement made in the southern Ural Mountain region. Dokl. AN SSSR 154 no.4:829-832 F '64.
(MIRA 17:3)

1. Geologicheskij institut AN SSSR. Predstavлено akademikom A.L. Yanshynom.

VOL'VOVSKIY, I.S.; GARFTSKIY, R.G.; SHLEZINGER, A.Ye.; SHRAYBMAN, V.I.

Surface structure of the basement of the Turan Plateau. Biul.
MOIP. Otd. geol. 39 no. 6: 19-29 N-E '64. (MIRA 18:3)

GARETSKIY, R.G.; SHLEZINGER, A.Ye.; YANSHIN, A.L.

Types of the structures of young platforms in Eurasia.
Geotektonika no.1:38-50 Ja-F '65. (MIRA 18:5)

1. Geologicheskiy institut AN SSSR.

GARETSKII, R.G.; KOTOVA, I.Z.; SHELEZINGER, A.Ye.

Various types of Neocomian cross sections in the western part
of the Turan Plateau. Izv. AN SSSR. Ser. geol. 30 no.2:102-111
(MIRA 18:4)
F '65.

1. Geologicheskiy institut AN SSSR, Moskva.

GARITSKAY, R.G.; KOLJSKIKOV, Ye.M.; MURAV'YEV, V.I.; SHIMZINGER, A.Ye.

Absolute age of the folding of the basement in the central Westyurt.
Dokl. AN SSSR 160 no.3:665-668 Ja 1965. (MKA 18:3)

1. Geologicheskiy institut AN SSSR. Submitted September 15, 1964.

... 1000, 1960. (RECORDED 1960) (RECORDED 1960) (RECORDED 1960)
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... 1000, 1960. (RECORDED 1960) (RECORDED 1960) (RECORDED 1960)

... 1000, 1960. (RECORDED 1960) (RECORDED 1960) (RECORDED 1960)

AVROV, P.Ya.; BULEKBAYEV, Z.Ye.; GARETSKIY, R.G.; DAL'YAN, I.B.;
ZHURAVLEV, V.S.; MULDAKULOV, G.G.; FOMENKO, K.Ye.; SHLEZINGER, A.Ye.

Basic characteristics of the structure of the eastern and southeastern
margins of the Caspian Lowland based on subsalt sediments. Geotektonika
no.1:118-125 Ja-F '65. (MIRA 18:5)

1. Institut geologicheskikh nauk imeni Satpayeva AN Kazakhskoy
SSR i Geologicheskiy institut AN SSSR.

SHLEZINGER, A.Ye.; YANSHIN, A.I., akademik, otv. red.; PEYVE, A.V.,
akademik, glavnyy red.; KUZNETSOVA, K.I., red.; MENNER,
V.V., red.; TIMOFEEV, F.P., red.

[Structural position and the development of the Mangyshlak
dislocation system.] Strukturnoe polozhenie i razvitiye
Mangyshlakskoi sistemy dislokatsii. Moskva, Nauka, 1965.
218p. (Akademicheskaya nauk SSSR. Geologicheskii institut.
Trudy, no.132) (MIRA 18:11)

SECRET, U.S.

REF ID: A6491

NAME: I. BOOK EXPLOITATION
SOV/5062

DISP. B.A. Yu.M. Gorbunov, M.M. Kryulin, Ye. M. Lavenzon, N.N. Matov, P.M. Polyanin, Yu. S. Schenckers, and U.S. Schenckers

Kontrol'nye priyayotchnye (Inspektor'ye) Ustroystva, 1960. 182 p.

Kniga sluzhit nauchno-tekhnicheskym i prakticheskym (Inspektor'ye) Ustroystvam, 1960. 182 p.

Nauchnaya kniga. (Series: Progressivnye stroyateli. Kontrol'nye ustroystva na Chislennom i Fizicheskom kontrole.)

Avtor: Yu. M. Lavenzon; Ed. of Publishing House: L.G. Prokof'yev;

Techn. Ed.: A.Ya. Tikhonov; Eds. for the Series: B.D. Baybarov, M.I. Kochetov;

and D.B. Malov; Publishing Ed.: For Literature on Chemical- and Fertilizer-Machinery Building: V.I. Rybakov, Engineer.

PURPOSE: This book is intended for designers and technical personnel in the machine-building industry.

CONTENTS: The book discusses in detail the design of basic assemblies and parts of inspection equipment which have proved valuable in shop practice. Various devices for the inspection of dimensional and geometrical parameters of parts used in machine building are described. The book is a part of a group of works Card 175

NAME: Inspection Equipment
SOV/5062

on modern means for inspection in manufacturing processes, the publication of which was recommended by the Commission for the Introduction of Progressive Methods and Means of Inspection in Machine Building of the State Scientific and Technical Committee of the Council of Ministers of the USSR. No personnel titles are mentioned. There are 27 references, all Soviet.

NAME OF CONTENTS:

Introduction

NAME: I. KONTROL'NO-INSPEKCIYNYE PREDMETY (Yu.M. Gorbunov)

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23
45
51
Card 275

Ch. I. Location Means
1. Locating from a plane [or the machine part]
2. Locating from external cylindrical surface
3. Locating from internal cylindrical surface (hole)
Ch. II. Transmitting Devices
1. Direct transmitting devices
2. Lever-type transmitting devices

L 28061-66 EWT(d)/T/EWP(1) IJP(c) GG/BB/JXT(BF)/GS
ACC NR: AT6005569

SOURCE CODE: UR/0000/65/000/000/0062/0069

AUTHOR: Shlezinger, M. I.

ORG: none

TITLE: Correlation method for recognition of sequences of pictures

SOURCE: AN UkrSSR. Chitayushchiye avtomaty i raspoznavaniye obrazov (Reading devices and pattern recognition). Kiev, Naukova dumka, 1965, 62-69

TOPIC TAGS: pattern recognition, correlation statistics

ABSTRACT: The problem of pattern recognition is treated in terms of information transmission over a noisy channel. Ideal pictures S_1, S_2, \dots, S_k are sent; they undergo random distortions in the channel. Thus, a set of received pictures V corresponds to a single true picture S_1 that was dispatched at the sending end of the channel. The above terms are also suitable for formulating the following problem: A number of ideal pictures S_1, S_2, \dots, S_k are subdivided into m -long sequences, the number of the sequences being smaller than k . Individual elements of a sequence are applied to separate channels. Judging by the received pictures, it is required to

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ACC NR: AT6005569

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find the most probable sequence at the channel input. The above problem is solved for the specific case when S_1, S_2, \dots, S_k are represented by the literals of a typed text; the pictures S_i are regarded as N -dimensional vectors, and the sequences are treated as $m \times N$ -dimensional vectors. A conditional distribution of pictures at the channel output, when a sequence P is applied to its input, is denoted by $p(V/P)$.

Then, the final formula is: $f(V, P) = \sum_{i=1}^m (V^{(i)} \cdot S^{*(i)})^2$. This formula shows how to find the measure of similarity between the picture sequences and the standard sequences: to this end, the correlations between individual pictures and standards should be evaluated, and their squares summed up. Orig. art. has: 21 formulas.

SUB CODE: 12 / SUBM DATE: 31Aug65 / ORIG REF: 001

Card 2/2 00

SHLEZINGER, M.

~~Training of drivers. Voen.znan. 30 no.12:16 D '54. (MIRA 8:7)~~

1. Starshiy inzhener-instruktor Tsentral'nogo Moskovskogo avto-motokluba
organizatsii Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii,
aviatsii i flotu. (Automobile drivers)

SHLEZINGER, M.

New programs for training 3rd, 2nd, and 1st class drivers.
Avt. transp. 33 no.5:31-32 My '55. (MIRA 8:8)
(Automobile drivers)

SHLEZINGER, M.

Essential knowledge for students. Za rul. 16 no. 2:10 F '58.
(MIRA 11:3)

1. Starshiy metodist Moskovskogo avtomotornogo kluba.
(Automobiles--Study and teaching)

SHLEZINGER, M., starshiy metodist

Self-made visual aids. Za rul 16 no.8:12 Ag '58. (MIRA 11:9)

1. Moskovskiy avtomotoklub Dobrovol'nogo obshchestva sodeystviya
armii, aviatsii i flotu.
(Visual aids) (Automobile drivers)

YU.
SHLEZINGER, M., starshiy metodist

Steering. Za rul.17 no.5:9-10 My '59. (MIRA 12:8)

1. TSentral'nyy Moskovskiy avtomotoklub Dobrovol'nogo obshchestva
sodeystviya armii, aviatsii-i flotu.
(Automobiles--Steering gear)

BELYAYEV, Naum Zinov'yevich; SHLEZINGER, Mikhail Yur'yevich; FILIMONOV, I.M., red.; SHESTOPALOV, L.S., red.; KARYAKINA, M.S., tekhn. red.

[Manual for automobilists] Uchebnoe posobie shoferu-liubiteliu. Moskva, Izd-vo DOSAAF, 1961. 222 p. (MIRA 14:8)
(Automobiles) (Traffic regulations) (Automobile racing)

IVAKHNENKO, A.G. [Ivakhnenko, O.H.]; SHLEZINGER, M.I.

Trends in the development of cybernetics. Avtomatyka 7 no.5:
78-91 '62. (MIRA 15:11)
(Cybernetics)

IVAKHnenko, A.S.; Klesichev, V.V.; Otkrmezuri, G.L.; Shilzinger, M.L.

First monograph on the theory of perceptrons (review of F. Rosenblatt's book "Principles of neurodynamics.") Avtom. upr. i vych. tekhn. no.6:332-349 '64. (MIRA 17:10)

S/142/63/006/001/015/015
E192/E382

AUTHORS: Petrenko, A.I. and Shlezinger, M.I.

TITLE: Functional converter with digital output

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika,
v. 6, no. 1, 1963, 96 - 97

TEXT: In an earlier paper (Izv. vuzov SSSR - Radiotekhnika, 1961, 4, no. 6, 711) the author described a functional converter which could read graphical functions recorded on tape, or film. This converter had an analog output which could be connected to a digital voltmeter. It is possible, however, to obtain a digital code for the signal by introducing a digital comparison system into the servo system of the converter. The comparison system would consist of coincidence circuits with a controlled reversible counter. The remaining elements such as the time-base generator, photo-optical device, time-base radiating device and adding amplifier would be the same as in the earlier converter. The pulse of the photo-electron amplifier, produced at the instant of the ray crossing the graph, operates a trigger circuit (in the same manner as in the earlier converter) which is reset by a

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S/142/63/006/001/015/015
E192/E382

Functional converter

synchronizing pulse related to the commencement of the time-base cycle. In the earlier converter the pulses from the trigger were applied to a single integrator whose output was connected to the plates of the oscilloscope. Here, two integrators are employed which are driven by the pulses from the anodes of the trigger circuit. A univibrator producing a rectangular pulse whose duration is equal to that of the time-base period is also triggered by the synchronizing pulses. If a positive signal appears at the output of one of the integrators, this actuates a coincidence circuit. The situation is similar as regards the second integrator. The pulses from the outputs of the coincidence circuits are applied to a reversible binary counter where they are counted either in the positive or negative sense, depending on their origin. The output of the counter is converted into a corresponding potential which is fed to the deflection plates via the adding amplifier. There is 1 figure.

ASSOCIATION: Kafedra promyshlennoy elektroniki Kiyevskogo
ordena Lenina politekhnicheskogo instituta
Card 2/2 (Department of Industrial Electronics of Kiev
Order of Lenin Polytechnical Institute)

SUBMITTED: May 30, 1962

L 12483-63
GG/IJP(C)

EWT(d)/FCC(w)/BDS AFMDC/APGC/ASD/ESD-3 Pg-4/Pk-4/Po-4/Pq-4
S/102/63/000/002/007/007 76
75

AUTHOR: Shlezinger, M. I.

TITLE: Experiments of modeling the "Al'fa" system with positive feedback
on a computer

PERIODICAL: Avtomatyka, no. 2, 1963, 82-88.

TEXT: The Institute of Electrical Engineering of the Academy of Sciences of the Ukrainskaya SSR developed a structural circuit of system "Al'fa" which showed an amazing property of spontaneous organization under certain conditions. The operation of this system was modeled on the "vvvv" computer. This article describes the structural diagram of "Al'fa" with sixth positive feedback, its properties and modeling of operation. The principal problem lay in studying the learning processes as a function of certain parameters and finally in the principal capability of spontaneous recognition of images. The principal English language reference is F. Rosenblatt's, "Principles of Neurodynamics", Spartac Book, New York, 1962. The difference between the American system, "Perceptron" and "Al'fa" is the fact that the latter has specific transducers of signs and determined and rather than random connections between elements. The article contains 6 figures, 4 tables and a 4 item bibliography. The author expresses his gratitude to associates of the Instytut kibernetiki AN URSR
Card 1/2

Inst. of Cybernetics of the Academy of Sciences of the Ukrainskaya SSSR

ACC NR: AT6005567

SOURCE CODE: UR/0000/65/000/000/0038/0045

AUTHOR: Shlezinger, M. I.

ORG: none

TITLE: Spontaneous pattern recognition

SOURCE: AN UkrSSR. Chitayushchiye avtomaty i raspoznavaniye obrazov (Reading devices and pattern recognition). Kiev, Naukova dumka, 1965, 38-45

TOPIC TAGS: pattern recognition, perceptron

ABSTRACT: An attempt is made to introduce a quantitative measure of the quality of information into the problem of spontaneous pattern recognition. A probability density function $p(x)$ is specified within a set X . The set X is to be subdivided into a specified number of nonintersecting classes X_1, X_2, \dots, X_n in such a way that the

formula: $R = \sum_k P(k) \iint_{X_k X_k} S(x, y) p(x/k) p(y/k) d\lambda(x) d\lambda(y)$ be minimized; here, $P(k)$ is the probability of k -th class, $p(x/k)$ is the conditional probability density in the k -th class. This particular case of the above problem is set forth in the article: the set X

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ABRAMZON, L.S.; SHLIDERMAN, V.Ya.

Performance of ejectors operating on fluids with highly elastic vapors. Neft.khoz. 37 no.12:40-44 D '59.

(MIRA 13:5)

(Petroleum industry--Equipment and supplies)

ABRAMZON, Leonid Semenovich; ILEMBITOV, Mukhametgaley Safich; SHLIDERMAN,
Vladimir Yakovlevich; POLYANSKIY, O.I., vedushchiy red.; TEPOTOVA,
I.G., tekhn. red.

[Ejector pumping of petroleum products with high vapor tensions]
Ezhekhortnaia vykachka nefteproduktov s vysokoi uprugost'iu parov.
Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry,
(MIRA 14:8)

1961. 76 p.
(Ejector pumps) (Petroleum products)

SHLIDERMAN, V.Ya.; BONDARENKO, P.M.

Automation of basic oil ejector pumping processes. Trudy NIITransneft'
(MIRA 16:5)
no.1:151-159 '61.
(Automation) (Tank cars) (Ejector pumps)

SHLIDERMAN, V.Ya.

Effectiveness of ejector pumping from tank cars of petroleum
products having highly elastic vapors. Trudy NIITransneft' no.1:
160-167 '61. (MIRA 16:5)
(Tank cars) (Ejector pumps) (Vapors—Elastic properties)

SHLIDERMAN, V.Ya.; BONDARENKO, P.M.

Accelerating the rate of pumping of tank cars of petroleum products
having highly elastic vapors. Trudy NIITransneft' no.1:176-186
'61. (MIRA 16:5)
(Tank cars) (Ejector pumps) (Vapors--Elastic properties)

ABRAMZON, L.S.; SHLIDERMAN, V.Ya.; SKOVORODNIKOV, Yu.A.

Selecting efficient ejector pumping techniques. Trudy NIITransneft'
no.1:187-196 '61. (MIRA 16:5)
(Ejector pumps)

MAZO, Ya.A.; SHLIF, L.I.; YASTRZHEMSKAYA, N.I.

Demagnetization of magnetic films. Trudy VMAIZ no.9:33-56 '61.
(MIRA 15:9)

(Magnetic recorders and recording)

89595
S/138/60/000/011/001/010
A051/A029

158102
AUTHORS:

Livshits, I. A., Reykh, V. N., Ryazantsev, K. P., Salnis,
K. Yu., Samoletova, V. V., Stepanova, V. I., Shlifer, D. I.

TITLE:

The Properties of Copolymers of Ethylene and Propylene

PERIODICAL:

Kauchuk i rezina, 1960, No. 11, pp. 1-5

TEXT: The authors list data on the properties of $CK3\pi$ (SKEP), one of the ethylene and propylene copolymers synthesized at the VNIISK. It is pointed out that research in the field of polymerization of ethylene hydrocarbons at the VNIISK was begun in 1956. It is stated that the indicated copolymers can be produced within a wide range of molecular weights. The hardness of the polymers, according to Defoe, is 1,400-5,000 g, characteristic elasticity of their solution is from 2.5 (and lower) to 9.0. The vitrification point of the SKEP copolymer is within the range of -50 to 70°C depending on the ratio of the ethylene and propylene. The SKEP copolymers are a dense white hard mass, comparatively easy to process on the rollers. Destruction occurs when they are processed mechanically on the rollers. The greatest destruction is observed in polymers with a high

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A051/A029

The Properties of Copolymers of Ethylene and Propylene

molecular weight (Table 1). Mixtures based on SKEF copolymer were prepared on laboratory rollers at a temperature of 50-60°C. It was found that SKEF copolymers are easily mixed with comparatively large quantities of fillers. Mixtures without softeners are dry, brittle, their surface resembling shagreen leather. During vulcanization they easily form a monolithic mass with a smooth, shiny surface. Vulcanization is carried out at 150-160°C. SKEF copolymer-based mixtures are characterized by a large vulcanization plateau (Fig.1). The vulcanizates of non-filled mixtures based on the ethylene and propylene copolymer have a low tear-resistance. When a filler is added, especially gaseous channel carbon black and active furnace carbon black of the XA ϕ (KhAF) type, the tear-resistance increases significantly. Vulcanizates containing one of the indicated carbon blacks in a quantity of 50 weight parts hardly differ in this index from similar vulcanizates based on natural rubber (Fig. 2). The physico-mechanical properties of carbon black vulcanizates based on SKEF copolymers depend on the molecular weight of the latter. A detailed study of the physico-mechanical properties of the SKEF copolymers was conducted for a mixture containing 45 weight parts of KhAF carbon black. Comparisons were made

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The Properties of Copolymers of Ethylene and Propylene

between these properties and those of the C-23 (S-23) rubber, KC-30A (SKS-30A) and natural rubber. Gaseous channel carbon black was used as the filler for natural and SKS-30A rubber, which causes optimum stability properties in the indicated rubbers. Vulcanizates of carbon black mixtures based on SKEP copolymer were found to be almost equal to the vulcanizates of similar mixtures based on natural rubber and SKS-30A in their tear-resistance and relative expansion. Higher moduli are obtained at 300% expansion in SKEP vulcanizates by the application of a high standard carbon black (KhAF) instead of channel carbon black. The values of the vulcanizate moduli of the SKEP mixtures may be increased or decreased by using various methods of vulcanization. The SKEP vulcanizate mixtures have lower residual elongations than the natural rubber and SKS-30A vulcanizates. They also have a higher elasticity to recoiling at ordinary and high temperatures, which is explained by the comparatively low content of side groups in the polymer chains. When elevating the testing temperature to 100°C, the tear-resistance dropped in the SKEP vulcanizates to a greater degree than in the natural rubber vulcanizates, although it remained sufficiently

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AC61 A128

The Properties of Copolymers of Ethylene and Propylene

high. In this index the experimental SKEP copolymers greatly surpass SKS-3-A rubber. Due to the almost complete absence of double bonds in the SKEP copolymer, rubbers based on the latter have a very high aging resistance at 100°C and at 150°C and are better in this respect than natural rubber. SKEP polymers are characterized by low hysteretic losses. In this respect they are almost equal to natural rubber and surpass SKS-30A rubbers significantly. Other valuable properties of the SKEP vulcanizates were found to be their high resistance to crack expansion in repeated bending deformations and a high wear-resistance. The latter surpass the natural rubbers greatly in their tear-resistance and come close to the regularly constructed divinyl rubbers (Ref. 5). Since different types of carbon blacks were used as fillers for SKEP, natural and SKS-30A rubbers, it was assumed that the high wear-resistance of the SKEP vulcanizates was connected with the use of the KhAF carbon black, which renders a higher wear-resistance. Additional experimental testing revealed that the type of carbon black has little effect on the wear-resistance of the vulcanizates of carbon black mixtures in the case of vulcanizates based on natural and SKS-30A rubber mixtures.

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89595
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A051/A029

The Properties of Copolymers of Ethylene and Propylene

(Table 4). In conclusion the authors point out that the ethylene and propylene (S_{EP}) copolymers have a series of valuable physico-mechanical properties and are of great industrial interest. There are 4 tables, 2 graphs, 5 references: 1 Soviet, 3 English, 1 German.

ASSOCIATION: "vescovuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S.V. Lebedeva (All-Union Scientific Research Institute of Synthetic Rubber im. S.V. Lebedev)

Card 5/5

GARTMAN, Valentin Aleksandrovich; KARIMOV, Ubaydulla Aliyevich;
SAFELEVNIKOV, Ivan Alekseyevich; SHLIFER, David Grigor'yevich;
BICHEROVA, A., red.

[Pocke handbook for the inventor and innovator] Karmaniyi
spravchik izobretatelia i ratsionalizatora. Tashkent,
Izd-vo "Uzbekistan," 1965. 150 p. (MIRA 18:8)

L 44587-66 EWT(m)/T/EWP(j) IJP(c) WY/RM
ACC NR: AP6015665 (A) SOURCE CODE: UR/0413/66/000/009/0074/0074

INVENTOR: Livshits, I. A.; Nerush, K. U.; Reykh, V. N.; Ryazantsev, K. P.; 33
B
Salnis, K. Yu.; Stepanova, V. I.; Shlifer, D. I.

ORG: none

TITLE: Preparation of ethylene-propylene rubber. Class 39, No. 181285

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 74

TOPIC TAGS: rubber, ethylene propylene rubber, copolymerization

ABSTRACT: This Author Certificate introduces a method of preparing ethylene-propylene rubber by copolymerization of ethylene with propylene in an organic solvent at a temperature below 30°C in the presence of a complex catalyst consisting of organometallic compounds of the I-III groups and salts of metals of variable valence of the IV-VIII groups. To extend the variety of organic solvents, chlorinated aliphatic hydrocarbons such as carbon tetrachloride, methylene chloride, dechloroethane, or ethyl chloride are suggested. [Translation] [LD]

SUB CODE: 11/ SUBM DATE: 24Oct60/

UDC: 678.742.2-134.23

Card 1/1 87m

SHLIFER, L.I.

Corn is our wealth. Mekh. sil'. hosp. 14 no.5:3 My '63.
(MIRA 16:10)
1. Predsedatel' kolkhoza "Zorya komunizmu", Novoarkhangel'skogo
proizvodstvennogo upravleniya, Kirovogradskoy oblasti.

SHLIFSHTEYN, Ye.I.

Expansion of a steel plant in the Far East. Geog. v shkole
(MLRA 9:6)
no.3:1-4 My-Je '47.
(Soviet Far East--Steel industry)

1A 29T56

SHLIFSHTEYN, YE. I.

USSR/Metals
Iron Ore Deposits
Ore Deposits

Jul/Aug 1947

"The Metallurgical Center and Iron Ore of the Kursk
Magnetic Anomaly in the Fourth Five-Year Plan," Ye.
I. Shlifshteyn, 3 pp

"Geog v Shkole" No 4

Fourth Five-Year Plan provides 70 million rubles for
development of Kursk Magnet Anomaly (KMA). Article
describes plans for new metallurgical plants and
gives brief history of KMA. Over 50% of ore has been
prospected and the large Lebedyansk tract contains
60 - 70% iron. No other statistics. Small diagram
of KMA.

1C

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SHLIFSHTEIN, E. I.

SHLIFSHTEIN, E. I. Kazahskii peredel'nyi i metallurgicheskii zavody. (Geografiia
v shkole, 1948, no. 1, p. 16.).

DLC: Unclass.

SO: LC, Soviet Geography, Part II, 1951/Unclassified.